

STUDIES IN THE EUPATORIEAE (COMPOSITAE). XXXII.

A NEW GENUS, NEOCUATRECASIA.

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Microscopic examinations have revealed a distinctive group of four closely related species in the Central Andes of South America. The plants all have a carpopodium with rather large quadrate cells and thin walls with beaded thickenings, and slender stalked corollas with very papillose inner lobed surfaces, both characters reminiscent of Ageratina. Though no closer relationship than Ageratina can be suggested at this time, the four species are very distinct in having densely hairy bases on the styles and distinct annular thickenings in the anther collar.

We take great pleasure in naming this new genus in honor of Dr. Jose Cuatrecasas, who has added greatly to our knowledge of the flora of the Andes.

Neocuatrecasia R.M.King and H.Robinson, genus novum Compositarum (Eupatorieae). Plantae herbacea erectae vel laxe procumbentia. Caulis teneris. Folia plerumque opposita, ovata vel deltoides, distincte vel breve petiolata, integra ad dentata ad lobata. Inflorescentiae laxae corymbosae. Involucri squamae ca. 10-13 subaequales oblanceolati-oblongae obtusae vel acutae; receptacula convexa glabra. Flores 17-30 in capitulo; corollae inferne angustae superne profunde campanulatae, extus glanduliferae, lobis intus dense papillosis extus nonpapillosis breve setosis; filamento antherarum in parte superiore angusta, cellulis parietibus transverse annulatis, appendicibus antherarum longe triangularibus; styli inferne valde nodulosi hirsuti, appendicibus densi papillatis; achaenia prismatica 5-costata dense setifera; carpodia breve rotundata, cellulis plerumque quadratis, parietibus tenuibus; pappi setiformes scabri persistentes.

Species typica: Eupatorium lobatum B.L.Robinson

Our studies indicate that the genus contains the following four species.

Neocuatrecasia dispar (B.L.Robinson) R.M.King & H.Robinson, comb. nov. Eupatorium dispar B.L.Robinson, Contr. Gray Herb. n.s. 67:14. 1926. Peru.

Neocuatrecasia lobata (B.L.Robinson) R.M.King & H.Robinson, comb. nov. Eupatorium lobatum B.L.Robinson, Proc. Amer. Acad. 55: 21. 1919. Bolivia.

Neocuatrecasia mancoana (B.L.Robinson) R.M.King & H.Robinson,
comb. nov. Eupatorium mancoanum B.L.Robinson, Contr. Gray
Herb. n.s. 90: 28. 1930. Peru.

Neocuatrecasia thymifolia (Britton) R.M.King & H.Robinson, comb.
nov. Eupatorium thymifolium Britton, Bull. Torrey Bot. Club
29: 1. 1892. Bolivia.

Acknowledgement

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Note on the genus Ayapana. The following species is to be
added to those included in the recent review of the genus (King &
Robinson, 1970).

Ayapana ornithophora (B.L.Robinson) R.M.King & H.Robinson, comb.
nov. Eupatorium ornithophorum B.L.Robinson, Proc. Amer.
Acad. 54:254. 1918.

King, R.M. & H.Robinson 1970. Studies in the Eupatorieae
(Compositae). XXX, The genus Ayapana. Phytologia 20(3):210-
212.